# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 12/10/2018 09:39 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 10/31/2018 01:04 PM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 72756 | Expiration Date: | 10/31/2019 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124955 | -1 | 1.79 | 125027 | 1.81 |
| Blue | F | SSC | 125000 | 122801 | -2 | 3.35 | 123583 | 3.26 |
| Blue | E | FITC | 15492 | 15211 | -2 | 3.54 | 352 | 21.45 |
| Blue | D | PE | 28736 | 28074 | -3 | 2.73 | 616 | 16.23 |
| Blue | B | PerCP-Cy5-5 | 41413 | 41151 | -1 | 4.44 | 1125 | 22.54 |
| Blue | A | PE-Cy7 | 31321 | 31546 | 0 | 6.91 | 571 | 47.86 |
| Red | C | APC | 41673 | 41087 | -2 | 2.94 | 1586 | 13.29 |
| Red | A | APC-Cy7 | 29962 | 29660 | -2 | 2.75 | 742 | 13.83 |
| Violet | B | V450 | 8318 | 7982 | -5 | 4.36 | 454 | 13.89 |
| Violet | A | V500 | 34199 | 33702 | -2 | 4.15 | 813 | 10.49 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 20154 | 4.81 | 607 | -6 | N/A | N/A | Pass |
| Blue | F | SSC | 56230 | 2.50 | 574 | 6 | N/A | N/A | Pass |
| Blue | E | FITC | 58 | 72.23 | 557 | -4 | 0.0165 | 152 | Pass |
| Blue | D | PE | 121 | 58.57 | 556 | -4 | 0.1377 | 312 | Pass |
| Blue | B | PerCP-Cy5-5 | 211 | 54.68 | 662 | -5 | 0.0077 | 61 | Pass |
| Blue | A | PE-Cy7 | 115 | 117.45 | 718 | -4 | 0.0090 | 27 | Pass |
| Red | C | APC | 367 | 28.47 | 599 | -2 | 0.0196 | 151 | Pass |
| Red | A | APC-Cy7 | 184 | 31.21 | 573 | -3 | 0.0048 | 1117 | Pass |
| Violet | B | V450 | 66 | 69.02 | 471 | -6 | 0.0516 | 2769 | Pass |
| Violet | A | V500 | 114 | 34.10 | 489 | -5 | 0.0228 | 682 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

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| Input Device: | Carousel | Date: | 12/10/2018 09:39 AM |
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## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -32.58 | -32.22 | 1.15 |
| Blue | 20.34 | 16.27 - 24.41 | 1.26 | 0.99 - 1.49 | 0.00 | 0.00 | 1.50 |
| Red | 17.40 | 13.60 - 20.40 | N/A | N/A | 29.29 | 29.70 | 1.22 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

## Threshold

Threshold (FSC): 11294

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments